BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA DIVISION

Work Slip: As per Std Tender Documents

Name of Work: Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka
Estimate Amount:- Rs. 10,00,00,000.00/-
Name of Contractor:- M/s ACR Projects
Approved amount:- 85383222.05
Tender premium:- 1.00% above

Sl. No.	Description of Work	Unit	Qty as per Schedule0			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	5656.72	217.43	1229941.05	6640.36	6640.36	217.43	1443813.91	0.00	217.43	0.00	1443813.91	213872.86	0.00	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	1205.41	5675.99	6841886.59	1307.43	1307.43	5675.99	7420934.06	0.00	5675.99	0.00	7420934.06	579047.47	0.00	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	1886.45	7497.22	14143117.92	1914.62	1914.62	7497.22	14354297.95	0.00	7497.22	0.00	14354297.95	211180.03	0.00	
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	3516.80	1941.22	6826872.79	5224.23	4395.99	1941.22	8533590.99	828.24	1941.22	1607788.77	10141379.76	3314506.97	0.00	
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	262.82	6089.85	1600546.56	279.45	279.45	6089.85	1701835.99	0.00	6089.85	0.00	1701835.99	101289.43	0.00	

	Above 125%	Sqm	828.24	1941.22	Nine Hundred Forty One And Paise Twenty Two Only

Item of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as	Sqm	15632.40	6.42	100360.01	20604.74	19540.50	6.42	125450.01	1064.24	6.42	6832.43	132282.44	31922.43	0.00	
18 Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications,Clause 401 of MORTH V Revision.	Cum	2344.86	2014.87	4724588.07	2498.49	2498.49	2014.87	5034138.09	0.00	2014.87	0.00	5034138.09	309550.02	0.00	
19 KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	3126.48	2021.29	6319522.76	3356.63	3356.63	2021.29	6784725.48	0.00	2021.29	0.00	6784725.48	465202.72	0.00	
20 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision.	Sqm	15632.40	34.26	535566.02	16657.26	16657.26	34.26	570677.86	0.00	34.26	0.00	570677.86	35111.84	0.00	
21 KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	826.77	7365.73	6089764.59	833.02	833.02	7365.73	6135815.50	0.00	7365.73	0.00	6135815.50	46050.91	0.00	
22 KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	16535.40	12.85	212479.89	16659.55	16659.55	12.85	214075.28	0.00	12.85	0.00	214075.28	1595.39	0.00	

		Sqm	828.24	1941.22	Rupees One Thousand Nine Hundred Forty One And Paise Twenty Two Only	

on of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
23 SRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with	Cum	661.42	8534.82	5645066.51	666.38	666.38	8534.82	5687409.45	0.00	8534.82	0.00	5687409.45	42342.95	0.00	
24 KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver.	Cum	662.99	4101.90	2719528.94	689.92	689.92	4101.90	2829970.87	0.00	4101.90	0.00	2829970.87	110441.93	0.00	
25 Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.	Cum	662.99	5690.65	3772858.27	689.92	689.92	5690.65	3926076.63	0.00	5690.65	0.00	3926076.63	153218.36	0.00	

	Sqm	828.24	1941.22	Rupees ... Nine Hundred Forty One And Paise Twenty Two Only		

	of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
	RRB M800-13 Road Marking with Hot Applied hermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area. (thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	533.83	459.29	245180.48	566.68	566.68	459.29	260269.91	0.00	459.29	0.00	260269.91	15089.42	0.00	
27	KRRB M800-35. Supply and Installition of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer	Nos	367.00	360.79	132409.93	790.00	459.00	360.79	165602.61	331.00	360.79	119421.49	285024.10	152614.17	0.00	
	Grand total													5783036.91		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

Approved Amount =	88383222.06
Excess Amount =	5783036.91
Percentage of Worslip =	Excess Amount / Approved Amount x 100
Percentage of Worslip =	6.54 %

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

		Sqm	828.24	1941.22	Rupees One Thousand Nine Hundred Forty One And Paise Twenty Two Only